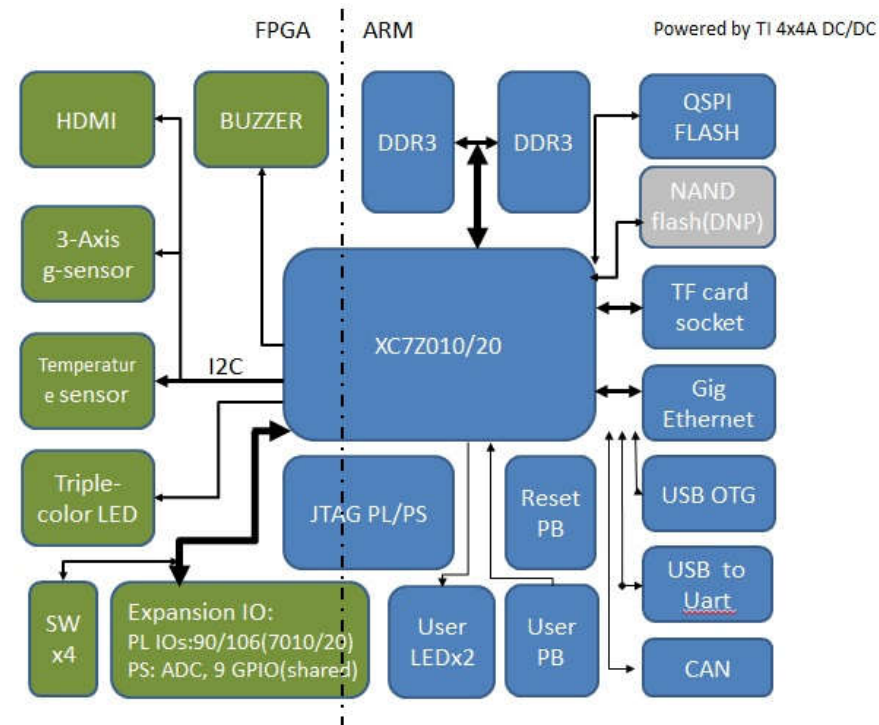
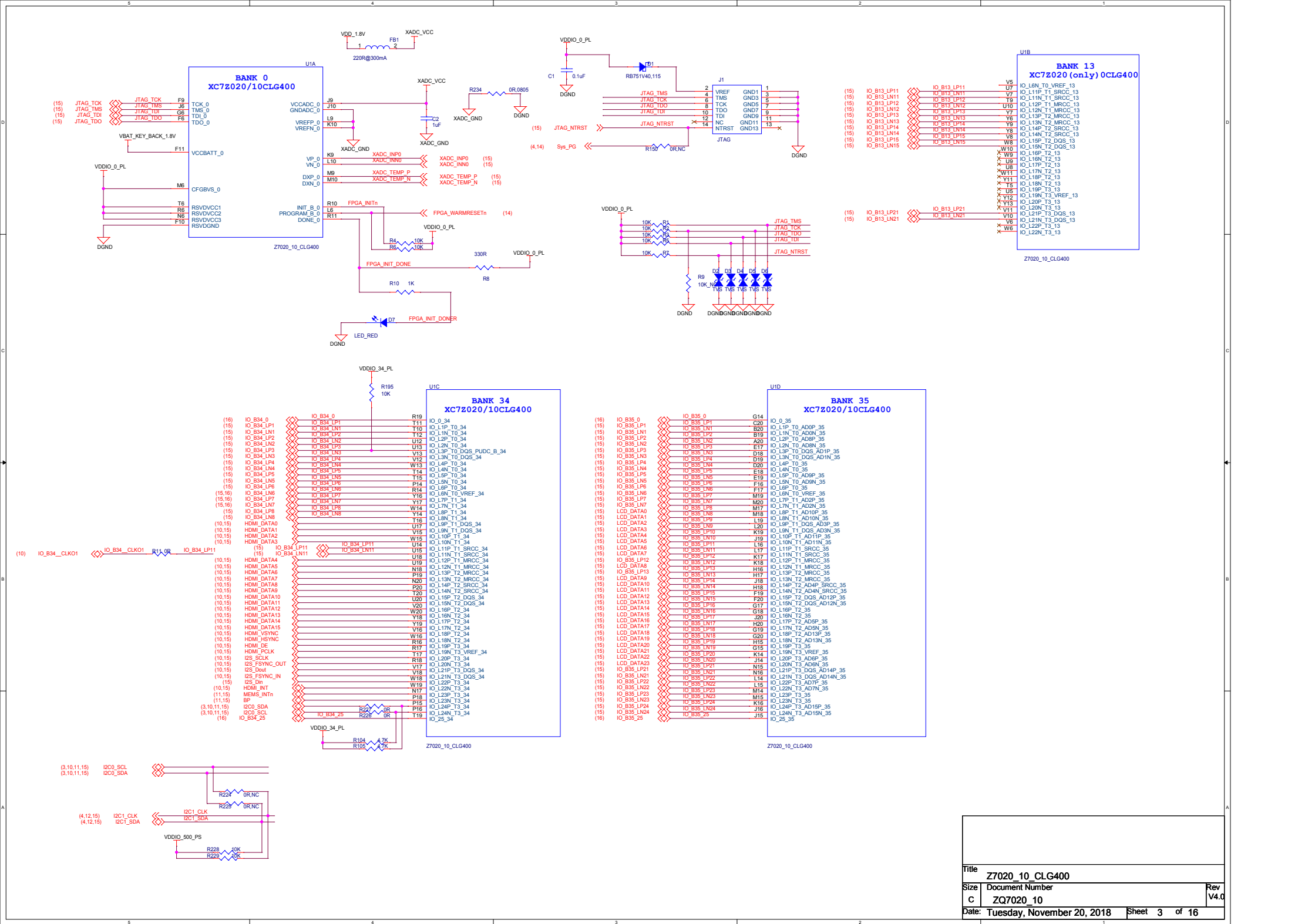


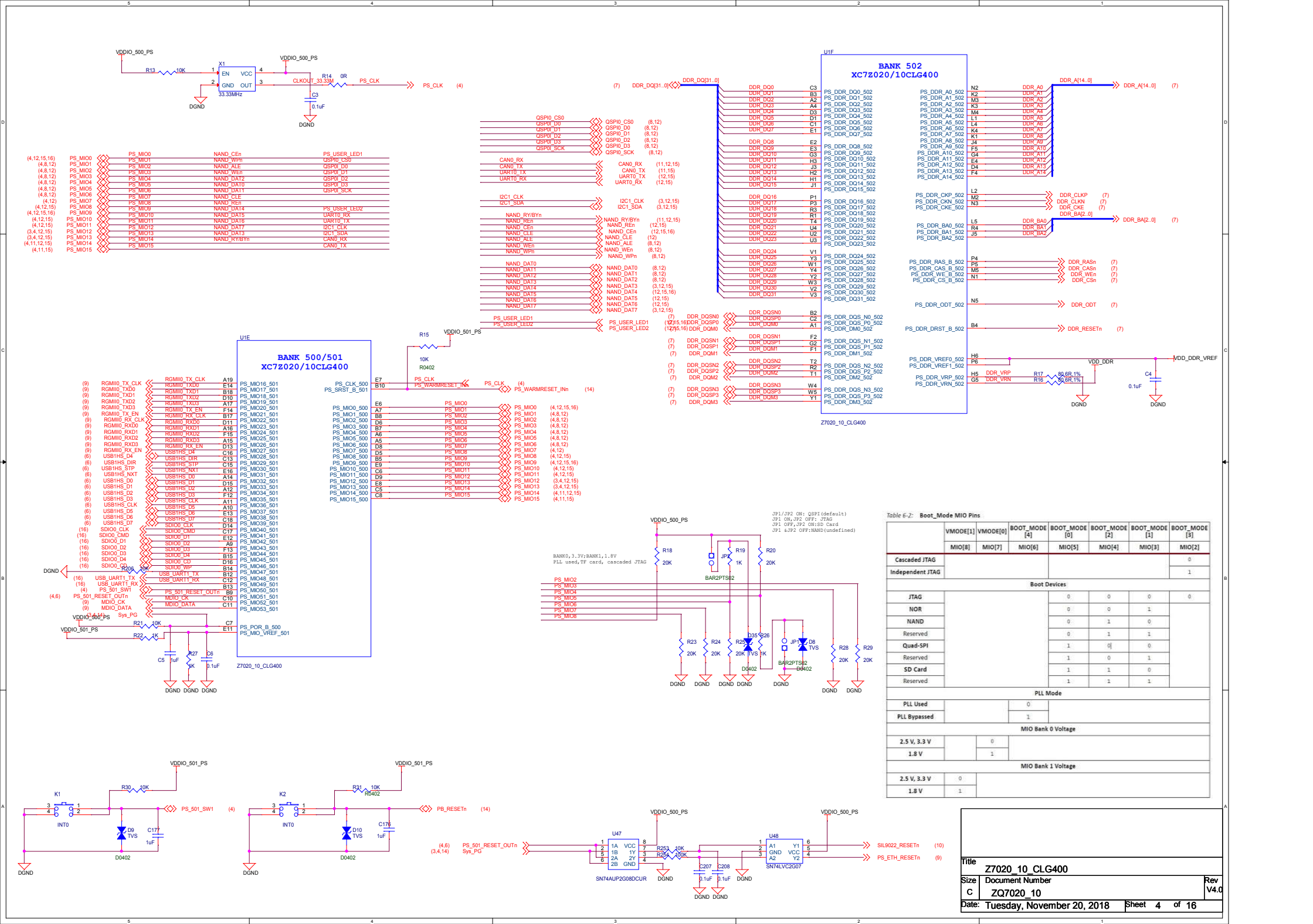
REV	Description	DATE	BY
Ver 1	Initial Release.		M
Ver 2	1 Replace HDMI Frame and SDIO Port voltage-level translation 2 Replaced USB2UART Chip		M
Ver 3	1 Add MDIO voltage-level translator 2 Modify CAN RX PULL voltage		
Ver 4	1 ADD GND_ADC to DGND 20150220 2 update sch version 3 clean sch 20150526		
Ver 5	1 replace the ethernetPhy		

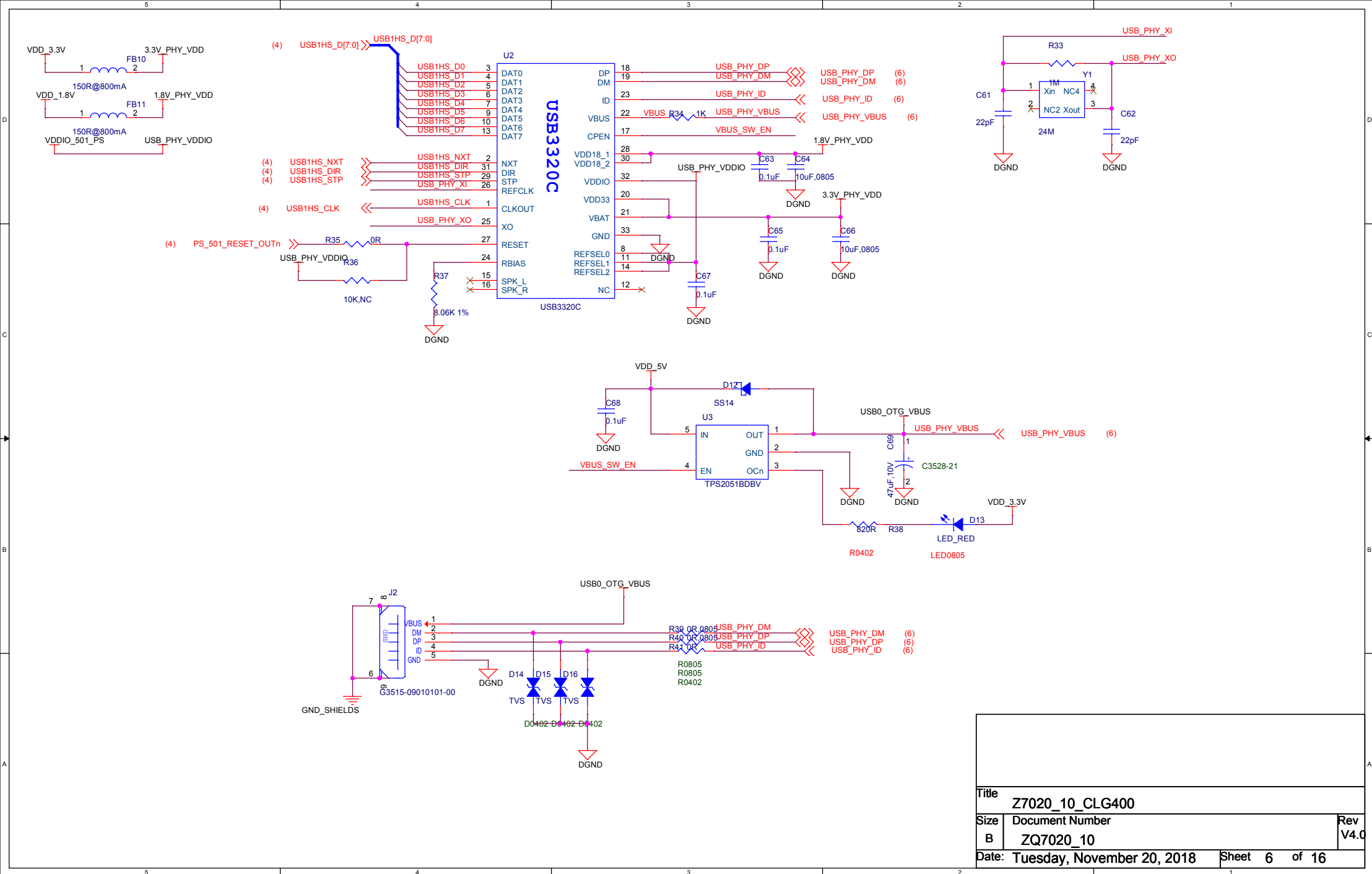
PAGE NO.	SCHEMATIC PAGE
1	TITLE PAGE
2	BLOCK
3	Z7020_PL
4	Z7020_PS
5	Z7020_POWER
6	USB OTG
7	DDR3 MEMORY
8	QSPI FLASH
9	10/100/1000 ETHERNET
10	HDMI
11	Sensor: G&T,CAN
12	NAND_FLASH
13	PWR:1.0V&1.5V,VTT
14	Power 1.8V,3.3V&DCin
15	EXP CONN
16	MISC



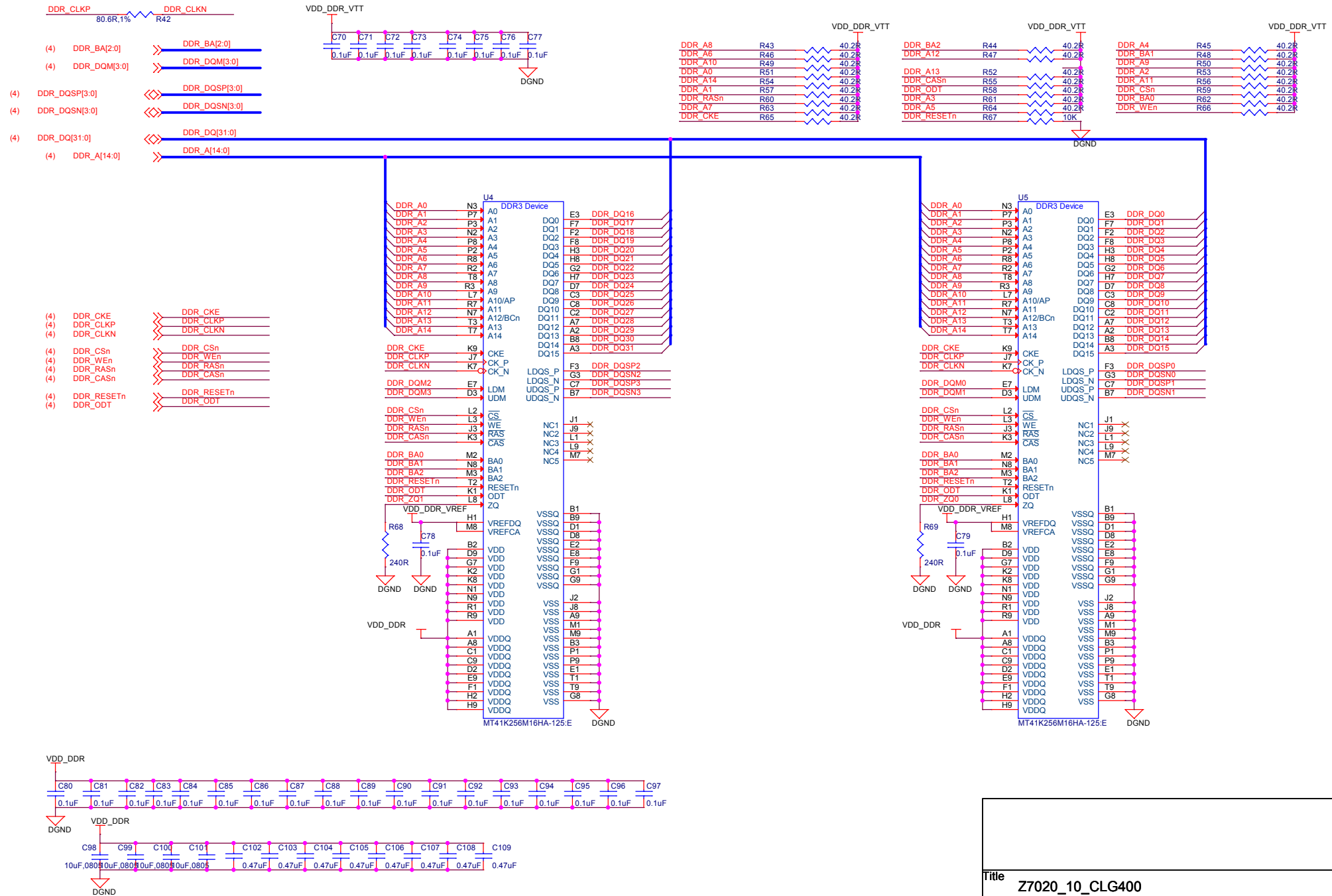
Title		
Z7020_10_CLG400		
Size	Document Number	
B	ZQ7020_10	
Date:	Tuesday, November 20, 2018	Sheet 2 of 16
Rev		V4.0

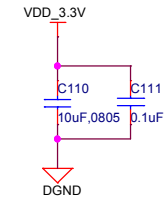
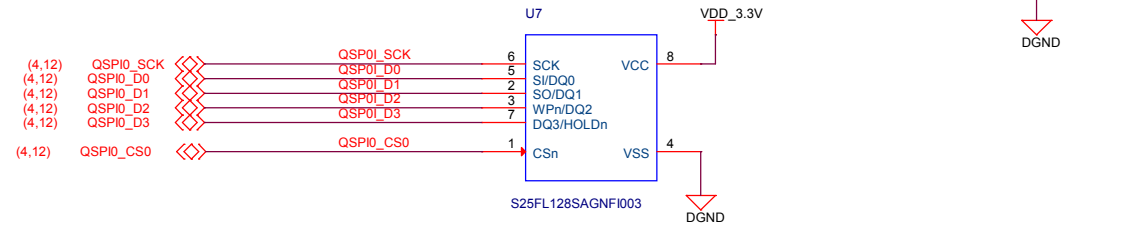




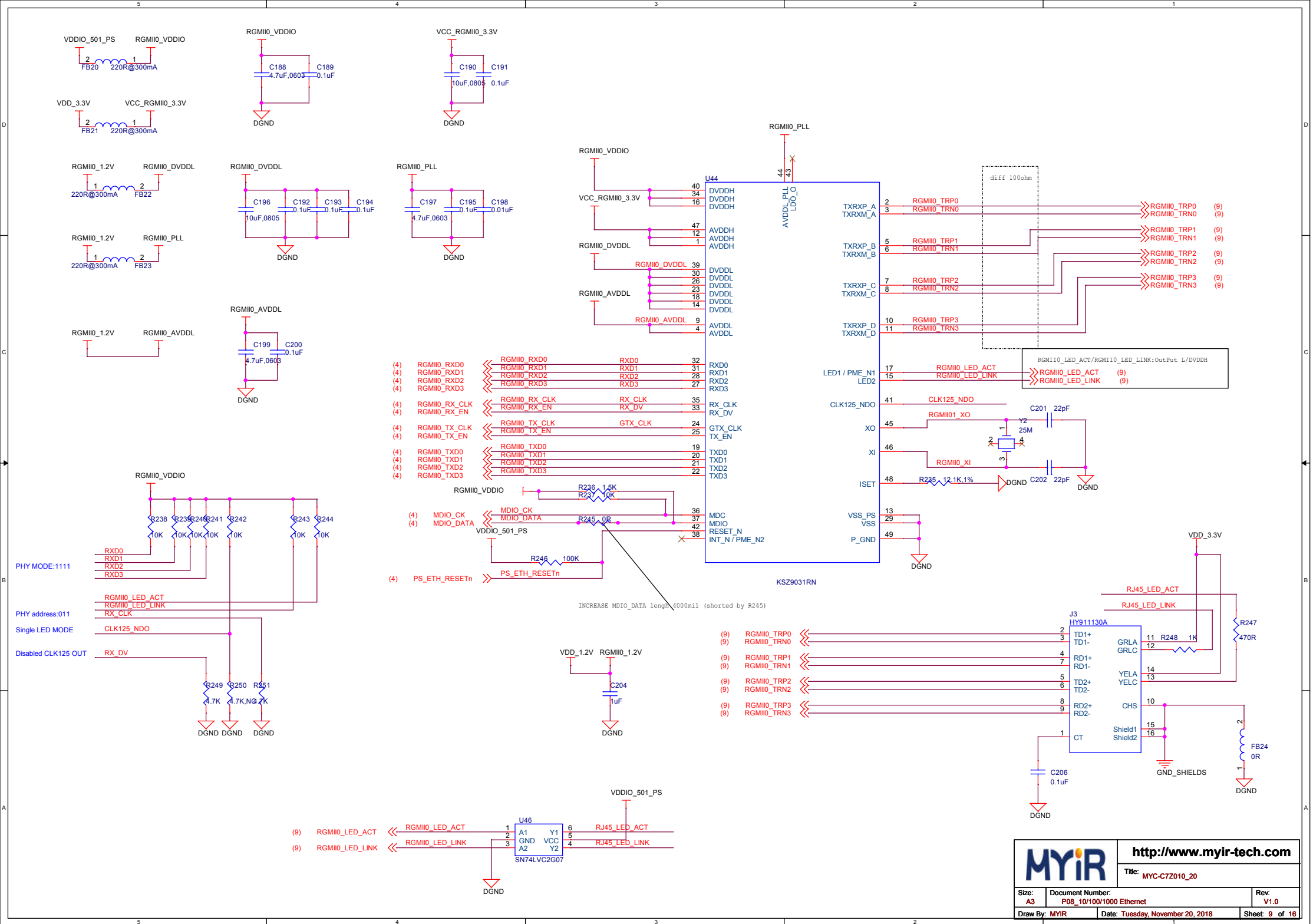


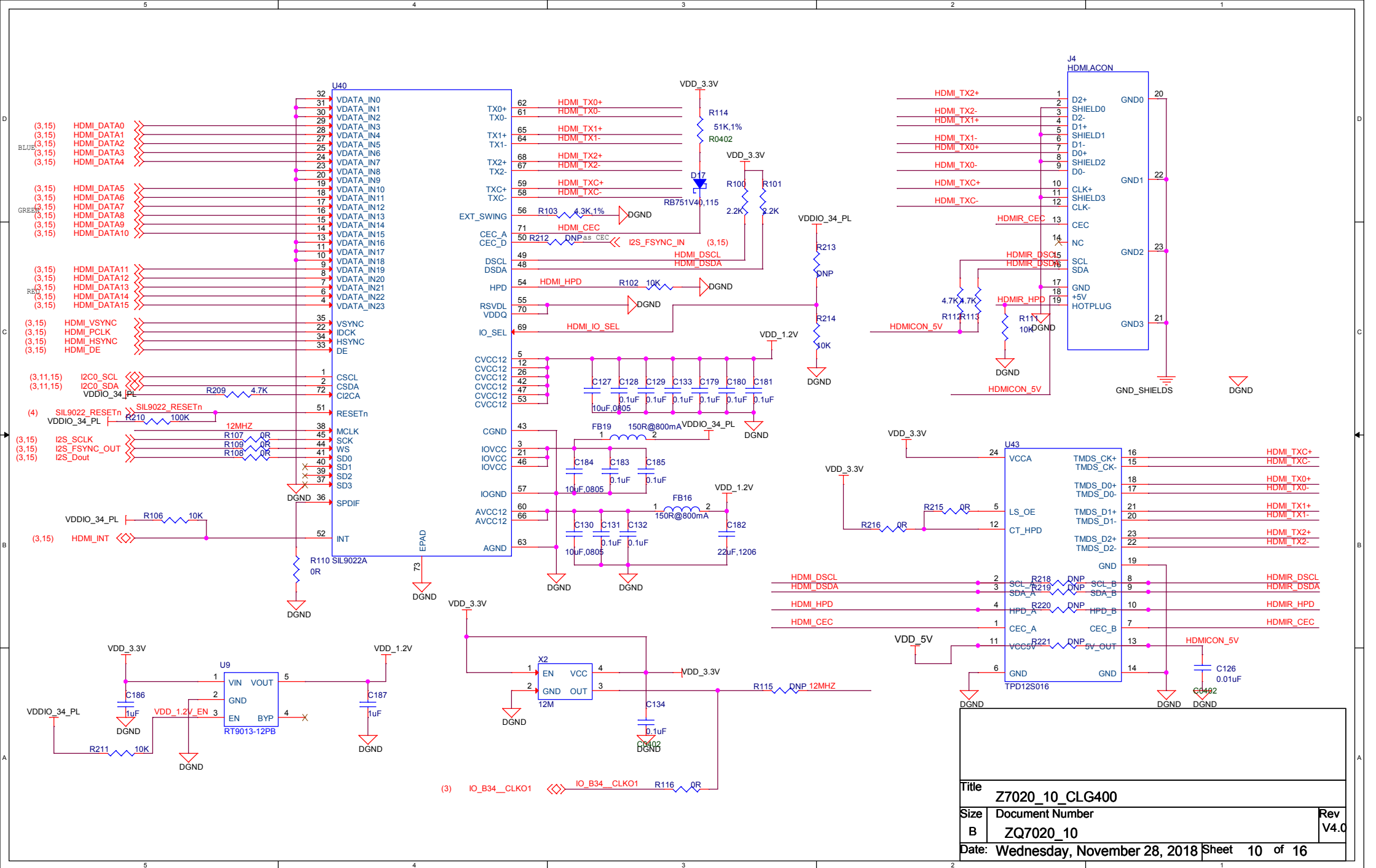
1024MB DDR3 (x32)

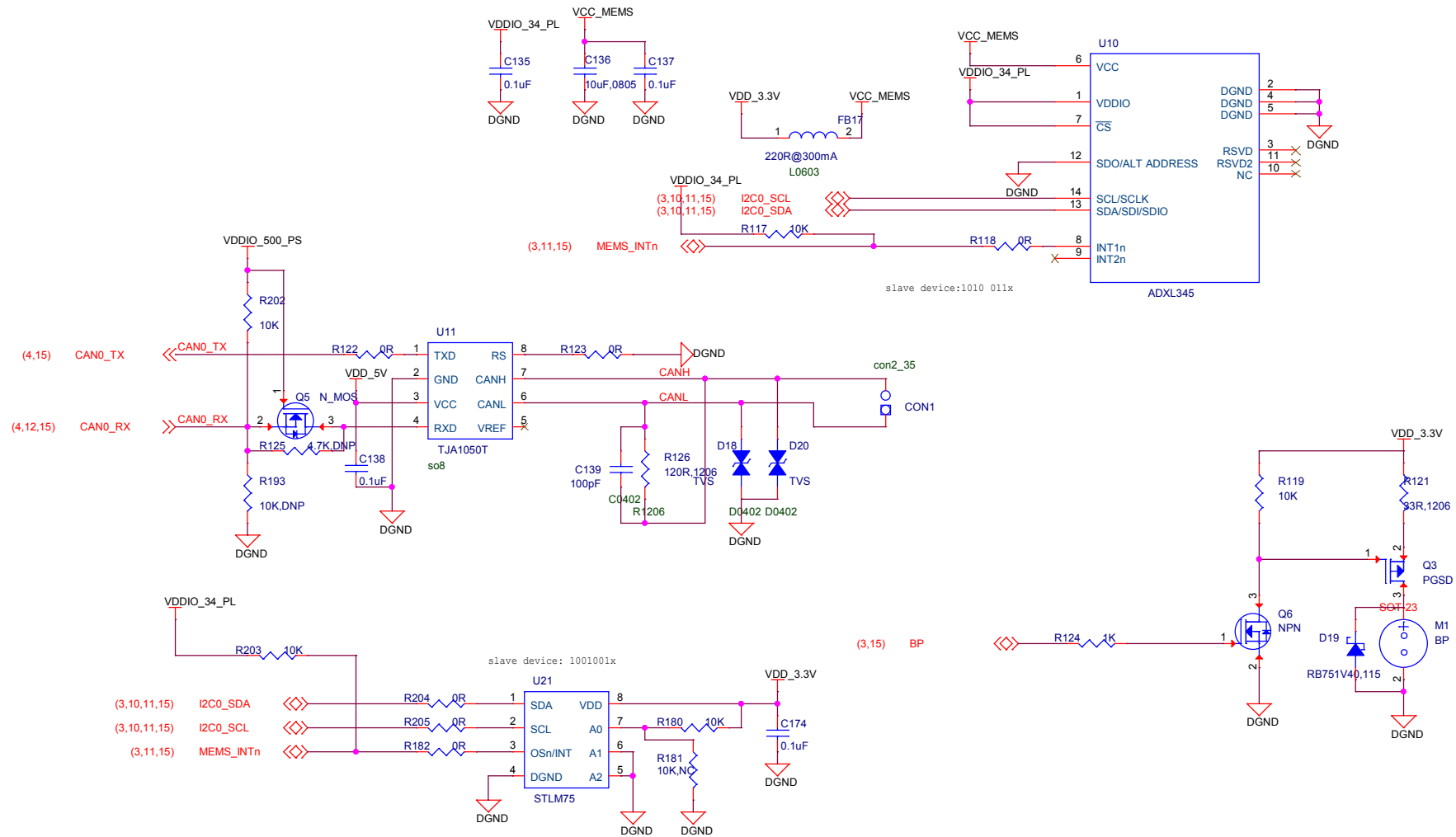




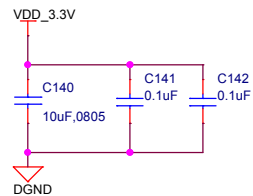
Title			
Z7020_10_CLG400			
Size	Document Number		Rev
B	ZQ7020_10		V4.0
Date:	Tuesday, November 20, 2018	Sheet	8 of 16







Title			Z7020_10_CLG400
Size	Document Number		Rev
B	ZQ7020_10		V4.0
Date:	Tuesday, November 20, 2018	Sheet	11 of 16



(4,11,12,15) NAND_RY/Byn
 (4,12,15) NAND_REn
 (4,12,15,16) NAND_CEn

 (4,12) NAND_CLE
 (4,8,12) NAND_ALE
 (4,8,12) NAND_WEn
 (4,8,12) NAND_WPn

(4,8) NAND_DAT0
 (4,8) NAND_DAT1
 (4,8) NAND_DAT2
 (3,4,15) NAND_DAT3
 (4,15,16) NAND_DAT4
 (4,15) NAND_DAT5
 (4,15) NAND_DAT6
 (3,4,15) NAND_DAT7

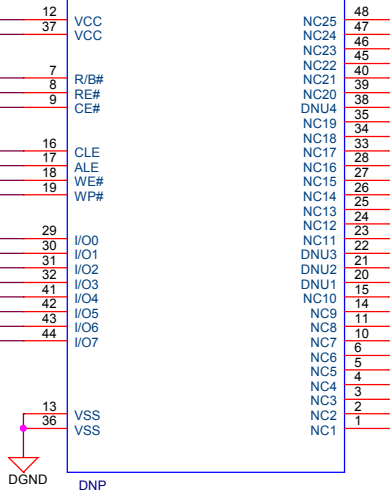
NAND_RY/Byn 7
 NAND_REn 8
 NAND_CEn 9

 NAND_CLE 16
 NAND_ALE 17
 NAND_WEn 18
 NAND_WPn 19

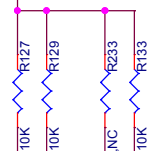
 NAND_DAT0 29
 NAND_DAT1 30
 NAND_DAT2 31
 NAND_DAT3 32
 NAND_DAT4 41
 NAND_DAT5 42
 NAND_DAT6 43
 NAND_DAT7 44

VDD_3.3V

U12



VDD_3.3V



WPn share pullup res with QSPI CS

(4,11,12,15) NAND_RY/Byn
 (4,12,15) NAND_REn
 (4,12,15,16) NAND_CEn

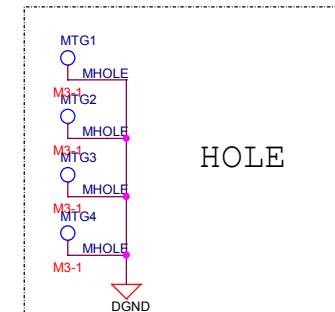
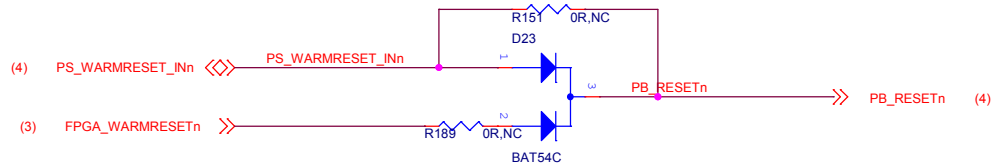
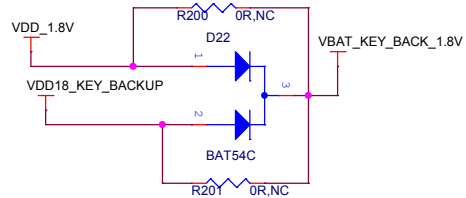
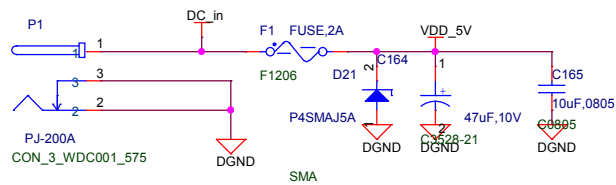
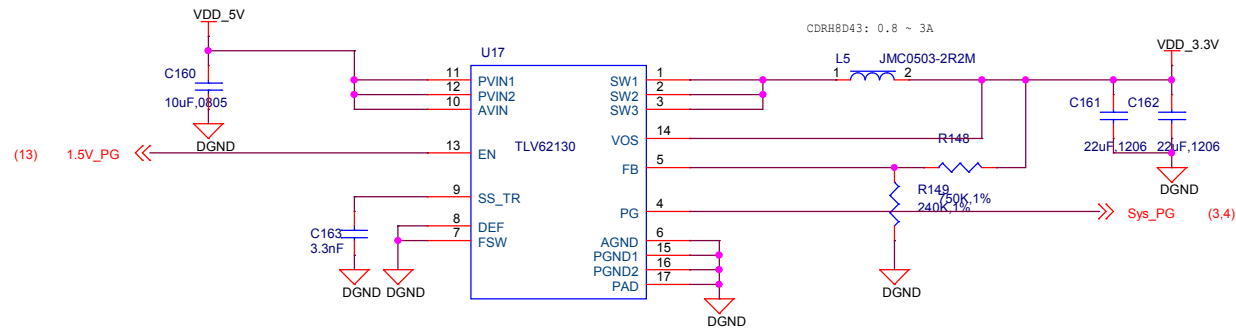
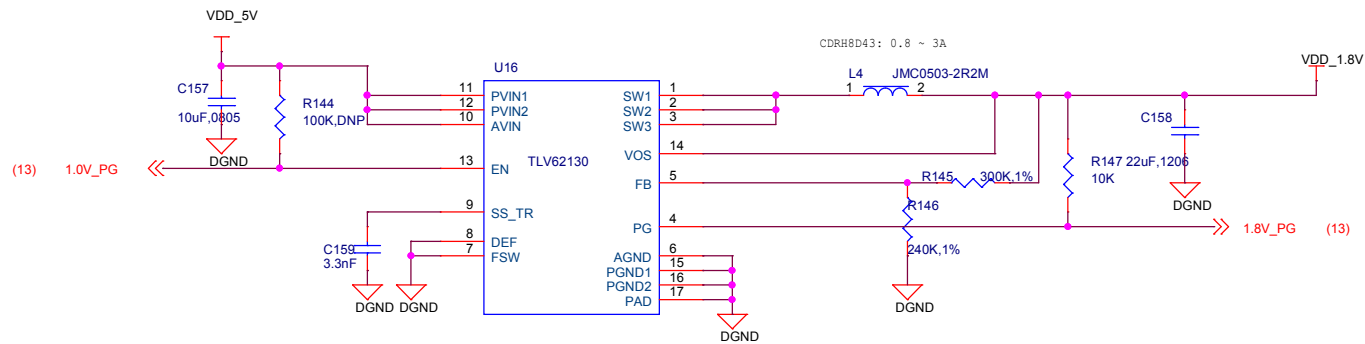
(4,12) NAND_CLE
 (4,8,12) NAND_ALE
 (4,8,12) NAND_WEn
 (4,8,12) NAND_WPn

NAND_RY/Byn
 NAND_REn
 NAND_CEn

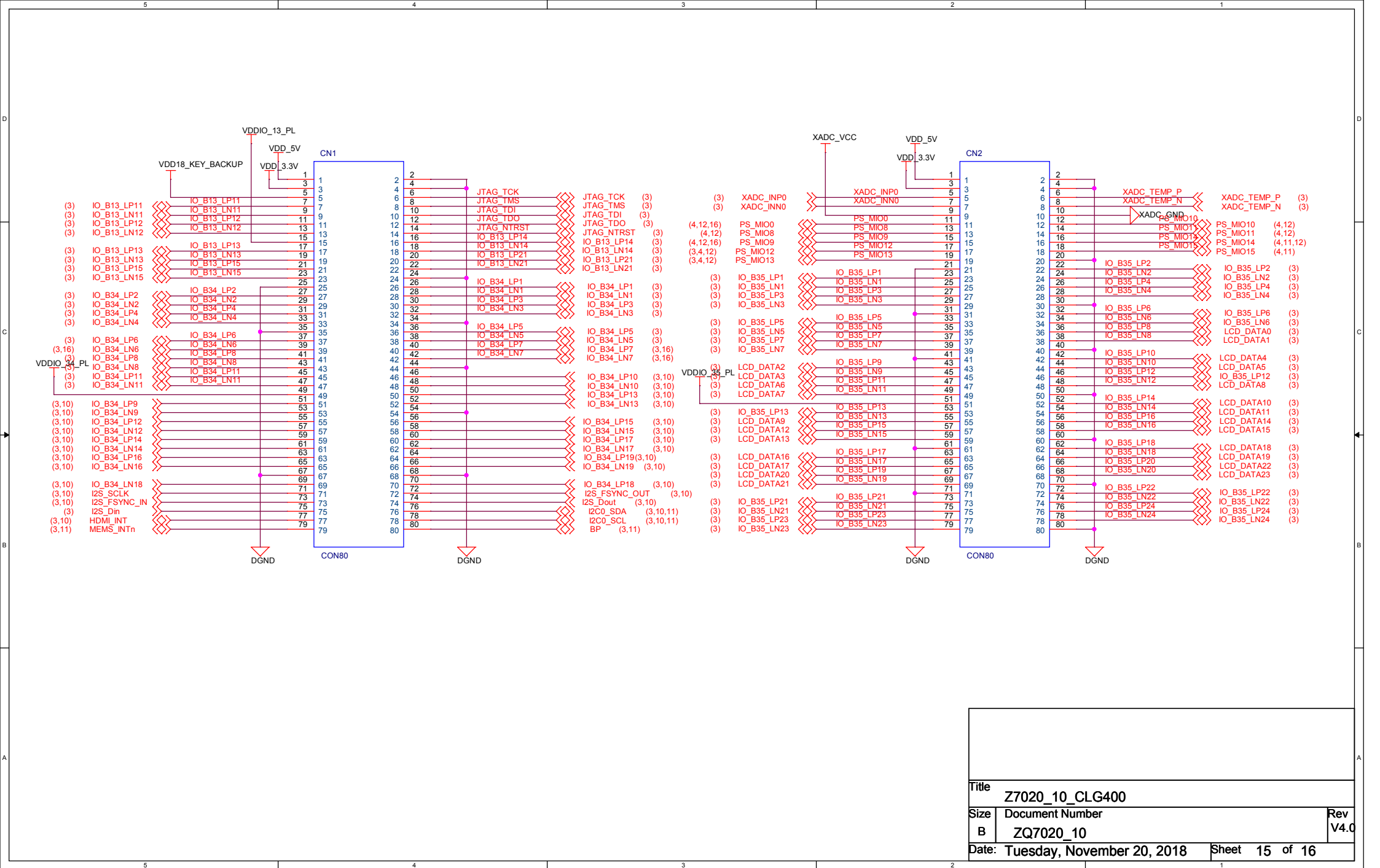
 NAND_CLE
 NAND_ALE
 NAND_WEn
 NAND_WPn

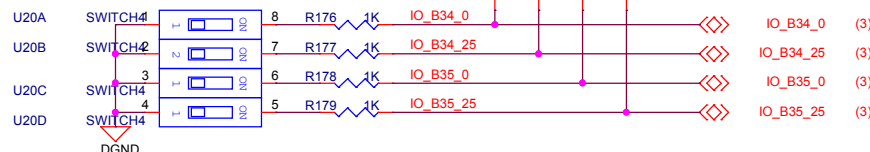
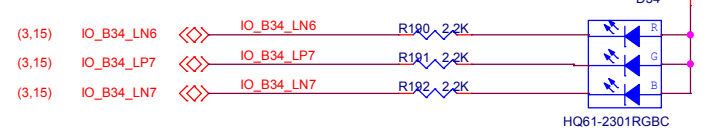
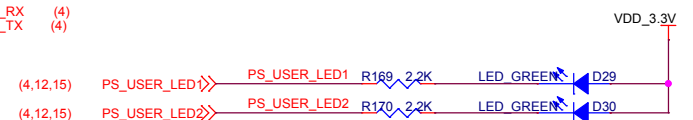
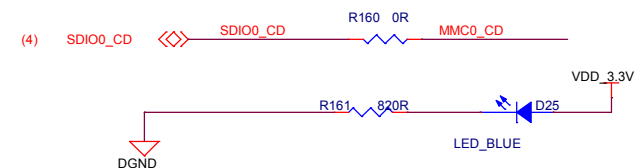
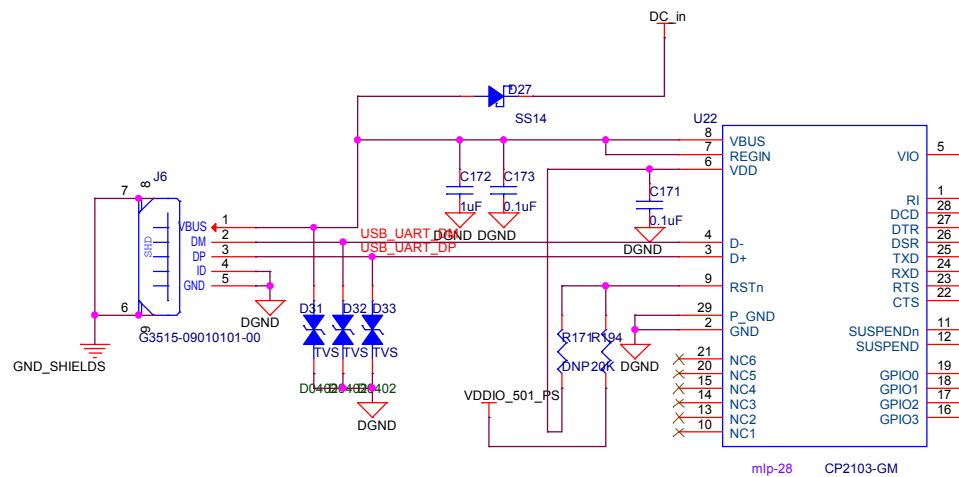
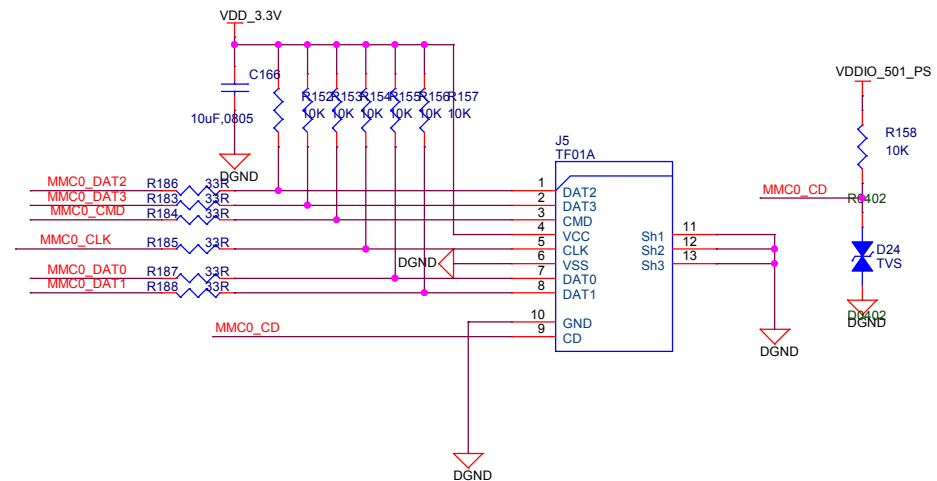
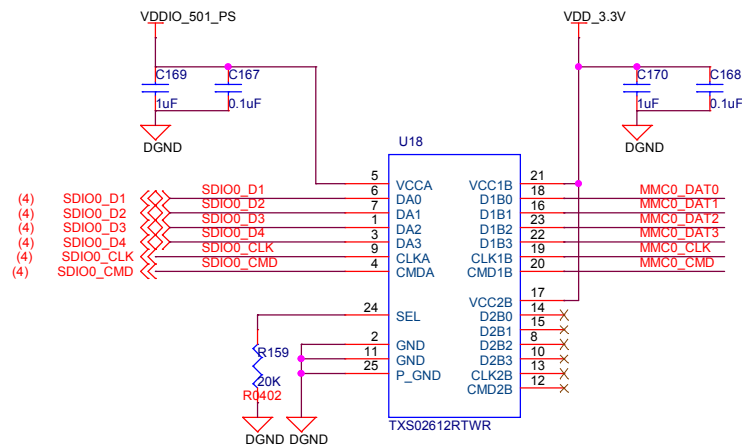
Title		
Z7020_10_CLG400		
Size	Document Number	Rev
B	ZQ7020_10	V4.0
Date:	Tuesday, November 20, 2018	Sheet 12 of 16

Title	Z7020_10_CLG400	
Size	Document Number	Rev
B	ZQ7020_10	V4.0
Date:	Tuesday, November 20, 2018	Sheet 13 of 16



Title			Z7020_10_CLG400
Size			Document Number
B			ZQ7020_10
Date:			Tuesday, November 20, 2018
Sheet			14 of 16
Rev			V4.0





Title			Z7020_10_CLG400
Size	Document Number		Rev
B	ZQ7020_10		V4.0
Date:	Tuesday, November 20, 2018	Sheet	16 of 16